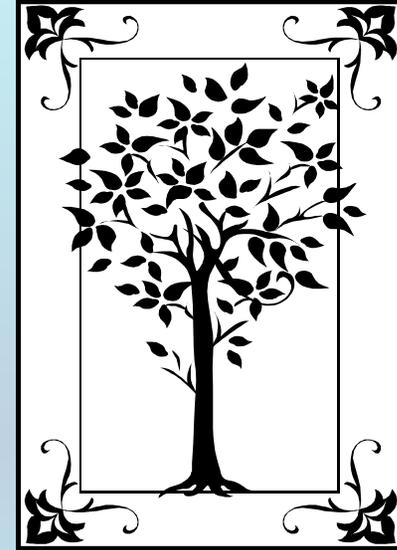


MIXTURE component identification: Tutorial (IV)

Guided Data Capture (GDC)



This tutorial demonstrates how to identify components (*maximum of 3*) in a **MIXTURE** with the Guided Data Capture (GDC) software.

NOTE:

The tutorials proceed sequentially to ease the descriptions; however, it is not necessary to enter *all* compounds before entering *all* samples, etc.

Compounds, samples, properties, etc., can be added or modified at any time.

Guided Data Capture - Thermophysical and Thermochemical Data

File Edit Tools Help

Reference Compound Sample **Mixture** Reaction Property Data Tables

2002 chi dik 0

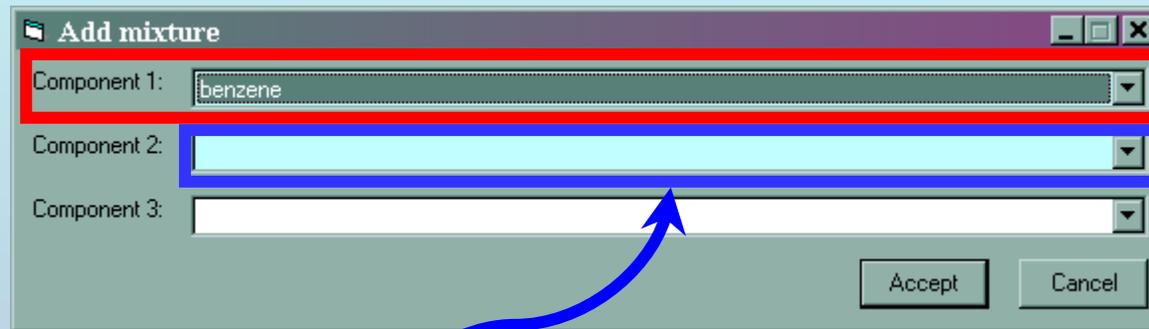
- toluene
 - Sample 1 (cm,98m%,nc;av,fd,mv;99.8m%,glc)
 - Sample 1 (cm,98m%,nc;dc,mv;99.6m%,glc)
 - benzene**
 - Sample 1 (cm;av,fd;99.7m%,glc)
- pentane
 - Sample 1 (cm,99m%,nc;)
- cyclohexane
 - Sample 1 (cm,fd;99.9m%,glc)
- Compound X name
 - Sample 1 (sa,zr;99m%,hplc)

1. SELECT (i.e., CLICK once) one of the components in your mixture from the list of compounds in the tree.

2. SELECT *Mixture* from the toolbar menu.

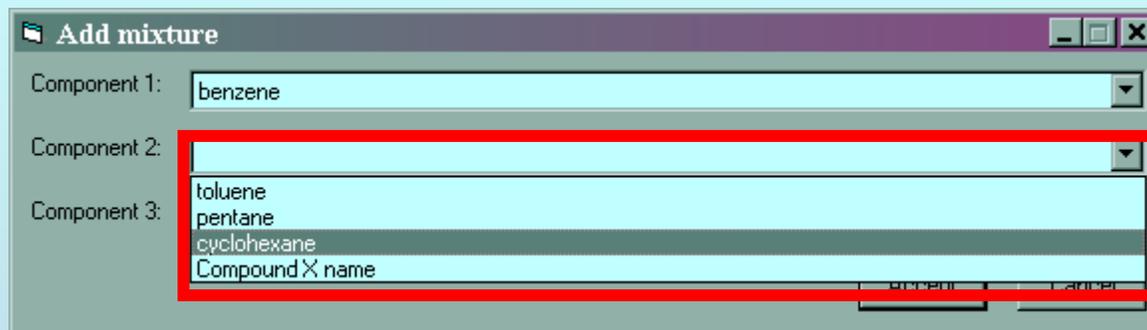
Start Microsoft® Visual S... Eudora - [Directory ... Microsoft PowerPoi... Guided Data Capt... 12:22 PM

1. This form appears on the screen with your first component already **SELECTED.**



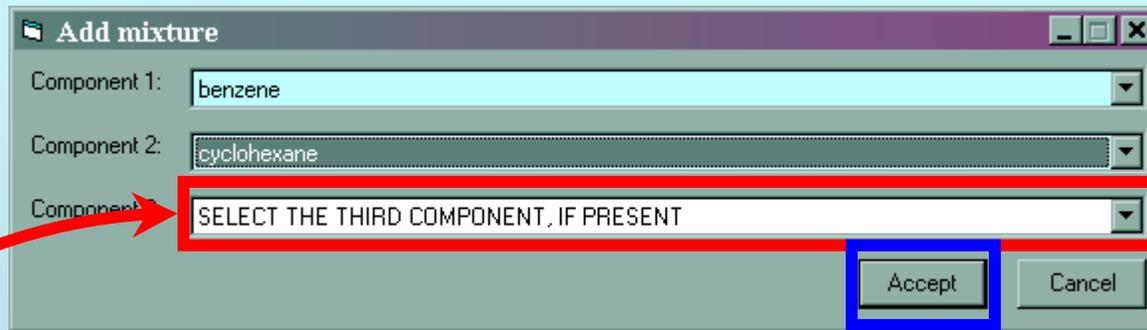
The screenshot shows a dialog box titled "Add mixture" with three input fields labeled "Component 1:", "Component 2:", and "Component 3:". The "Component 1:" field contains the text "benzene" and is highlighted with a red border. The "Component 2:" field is highlighted with a blue border. The "Component 3:" field is empty. At the bottom right of the dialog box are two buttons: "Accept" and "Cancel". A red arrow points from the text box above to the "Component 1:" field, and a blue arrow points from the text box below to the "Component 2:" field.

2. CLICK in the field labeled: *Component 2*



SELECT the second component from the pulldown list displayed.

NOTE: If your second component is not listed, you need to add it to the tree as a *compound*. (See the earlier tutorial.)



1. SELECT the third component, if there is one.

(In the example shown here, the mixture is a binary, so no selection is made.)

2. CLICK *Accept*

- 002 chi dik 0
 - toluene
 - Sample 1 (cm,98m%,nc;av,fd,mv;99.8m%,glc)
 - Sample 2 (cm,98m%,nc;dc,mv;99.6m%,glc)
 - benzene
 - Sample 1 (cm;av,fd;99.7m%,glc)
 - pentane
 - Sample 1 (cm,99m%,nc;av,fd,mv;99.8m%,glc)
 - cyclohexane
 - Sample 1 (cm,fd;99.7m%,glc)
 - Compound X name
 - Sample 1 (cm,fd;99.7m%,glc)
 - benzene + cyclohexane

Add mixture

Component 1: benzene

Component 2: cyclohexane

Component 3:

Accept Done

The added mixture now appears in the tree.

Continue...

The image shows a software dialog box titled "Add mixture". It contains three input fields for components: "Component 1" with the text "benzene", "Component 2" with "toluene", and "Component 3" with "Compound X name". At the bottom right, there are two buttons: "Accept" and "Done". A red rectangular box highlights the three component input fields. A red arrow points from this box to the first instruction box. A blue rectangular box highlights the "Done" button, and a blue arrow points from it to the second instruction box.

1. SELECT and *Accept* other mixtures as needed.

2. CLICK *Done*, when finished.

Guided Data Capture - Thermophysical and Thermochemical Data

Help

Reference Compound Sample Mixture Reaction Property Data Tables

- 2002 chi dik 0
 - toluene
 - Sample 1 (cm,98m%,nc;av,fd,mv;99.8m%,glc)
 - Sample 2 (cm,98m%,nc;dc,mv;99.6m%,glc)
 - benzene
 - Sample 1 (cm;av,fd;99.7m%,glc)
 - pentane
 - Sample 1 (cm,99m%,nc;)
 - cyclohexane
 - Sample 1 (cm,fd;99.9m%,glc)
 - Compound X name
 - Sample 1 (cm,99%,glc)
 - benzene + cyclohexane
 - benzene + pentane
 - benzene + toluene + Compound X name

All of the accepted mixtures appear in the tree.

Start | Microsoft® Vis... | Eudora - [Direct... | Microsoft Powe... | Guided Data C... | Add mixture | 12:59 PM

END

The next step in the series of tutorials is
PROPERTY SELECTION